

SR2000A Frequency Monitor

Although SR2000A is not supplied with any AOR-made software , BuTel B.V made an excellent memory management software called ARC2000! You can check all details, download a 30 days trial version and purchase at <http://www.butel.nl/>

SR2000A is also available with optional (internal) APCO25 decoder! (analog and non-trunking only)



FREQUENCY MONITOR

The SR2000A
is an ultra-fast spectrum display
monitor
with a high quality
triple-conversion receiver.

25MHz - 3000MHz
AM, NFM, WFM, SFM
1000 channels, 40 Search Banks

AOR puts the power of FFT (Fast Fourier Transform) algorithms to work in tandem with a powerful receiver covering 25 MHz ~ 3 GHz continuous. The result is a compact color spectrum display monitor that's ultra-sensitive, incredibly fast, yet easy to use. The SR2000A is perfect for base, mobile or field use and can also be used in combination with a personal computer.

Specifications									
Frequency coverage	25MHz - 3000MHz								
Receive mode	AM, NFM, WFM, SFM								
Receiver configuration	Triple conversion super heterodyne								
IF frequency	1st IF : 255.3 / 744.3 MHz 2nd IF: 10.7 MHz 3rd: 455 kHz								
Sensitivity	<table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="width: 50%; text-align: center;">25MHz - 225MHz:</td> <td style="width: 50%;"> NFM: 0.35uV (12dB SINAD) AM: 0.6uV (10dB S/N) WFM: 2.0uV (12dB SINAD) </td> </tr> <tr> <td style="text-align: center;">225MHz - 1.7GHz:</td> <td> NFM: 0.35uV (12dB SINAD) AM: 0.8uV (10dB S/N) WFM: 2.0uV (12dB SINAD) </td> </tr> <tr> <td style="text-align: center;">1.7GHz - 2.7GHz:</td> <td>NFM: 0.6uV (12dB SINAD)</td> </tr> <tr> <td style="text-align: center;">2.7GHz - 3GHz</td> <td>NFM: 1.5uV (12dB SINAD)</td> </tr> </tbody> </table>	25MHz - 225MHz:	NFM: 0.35uV (12dB SINAD) AM: 0.6uV (10dB S/N) WFM: 2.0uV (12dB SINAD)	225MHz - 1.7GHz:	NFM: 0.35uV (12dB SINAD) AM: 0.8uV (10dB S/N) WFM: 2.0uV (12dB SINAD)	1.7GHz - 2.7GHz:	NFM: 0.6uV (12dB SINAD)	2.7GHz - 3GHz	NFM: 1.5uV (12dB SINAD)
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2.7GHz - 3GHz	NFM: 1.5uV (12dB SINAD)								
IP3	+ 1 dBm								
S/N	<table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="width: 50%; text-align: center;">25MHz - 225MHz:</td> <td style="width: 50%; text-align: center;">40 dB</td> </tr> <tr> <td style="text-align: center;">225MHz - 1.7GHz:</td> <td style="text-align: center;">35 dB</td> </tr> <tr> <td style="text-align: center;">1.7GHz - 2.7GHz:</td> <td style="text-align: center;">32 dB</td> </tr> <tr> <td style="text-align: center;">2.7GHz - 3GHz</td> <td style="text-align: center;">30 dB</td> </tr> </tbody> </table>	25MHz - 225MHz:	40 dB	225MHz - 1.7GHz:	35 dB	1.7GHz - 2.7GHz:	32 dB	2.7GHz - 3GHz	30 dB
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Frequency stability	+/- 1 ppm (0-50 degrees C)
Memory Channels	1000
Search banks	40
Pass Channel memory	2000
Priority channel	1
Antenna connectors	50 OHM unbalanced.BNC
Audio output	1.2watts (at 8 ohm) 10% THD
Speaker	External
Power requirements	12-16VDC, approx. 1.5 A
Dimensions	220 (w) x 120 (h) x 185 (d) (mm) excluding projections
Weight	3.2 kg
Optional accessories	<u>DA753G</u> Wideband Discone Antenna CR5000 Recording Cable

FEB.3, 2009 / SR2000A power supply change

In order to comply with new international power regulations, the previously used linear power supply has been replaced with a switched-mode power supply. By design, switched-mode power supplies are source of power line harmonics, which can produce noise on some frequencies received by a radio receiver. To use SR2000A with your own linear power supply, a DC power cord is supplied with the unit. This applies to units leaving the factory starting Feb.3, 2009.

SR2000A

Monitor signals with incredible speed!

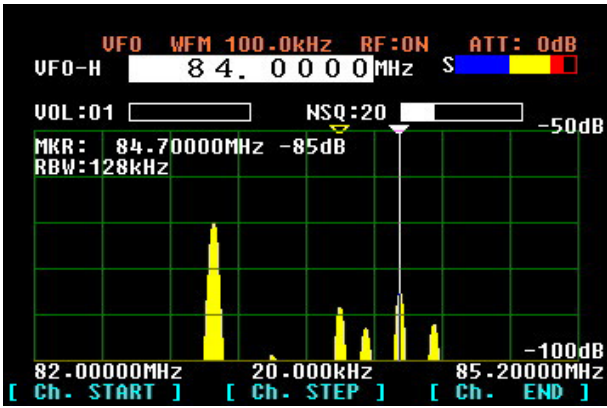
The FFT search function enables incredibly high speed signal monitoring, up to 10MHz search in 0.2 seconds! Using the built-in 5 inch TFT color display, it is easy to monitor the clear, crisp images of received signals. Up to 10 MHz of bandwidth can be displayed in real time through advanced Digital Signal Processing. The waterfall display function tracks signals over time and uses colors to define their strength.

See wideband coverage (25MHz - 3GHz) in AM/NFM/WFM/SFM modes

The SR2000A is a digital monitor scope with a built-in high grade front end for the professional user. The digitally processed IF signals of the RF unit are combined with FFT technology enabling spectrum analysis and high speed signal detection in real time. In one compact unit, the SR2000A integrates a large color display with a professional grade receiver blending high RF technology with digital processing..

Easy-to-use control panel

The keys and single control dial on the front panel of the SR2000A are designed to enable maximum versatility and simple operation. Monitored frequency and audio gain can be adjusted simply by using the main control dial. The SR2000A



High grade front end delivers amazing stability

The SR2000A receiver module is a professional grade triple conversion unit that delivers amazing stability over a wide temperature range, covering 25 MHz to 3 GHz. The specially designed circuit enables high linearity and clean IF output signal.

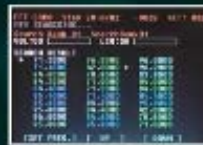
features 1,000 memory channels and 40 search bank memories which can be easily be set up to suit your individual monitoring requirements.





High Speed FFT Search - Scans 10MHz in as little as 0.2 seconds!

- Ultra-stable, high sensitivity triple conversion receiver
- External video output (composite video)
- AM/NFM/WFM/SFM/TV receive modes
- Displays up to 40MHz of spectrum bandwidth
- APCO25 decoder (option)
- Waterfall (time) display function
- 1000 memories (100 ch x 10 banks)
- Video display (NTSC/PAL auto select)
- 5 inch TFT color LCD display
- Average or peak value readings
- PC control through RS232C serial port or USB interface



25MHz ~ 3GHz FREQUENCY MONITOR

SR2000A

U.S Patents: 6,002,924 & 6,816,715